Automated Commercial Environment—Requirements Recommendation

Date:	May 15, 2001
Number:	BUS-001-HL
Requestor:	Business Applications of Technology Subcommittee
Customs Co-Chair:	(signature)
Trade Co-Chair:	(signature)

Requirement

Apply imaging technology to support referencing scanned 3D images of merchandise and/or cargo contents.

Business Need

The release process could be expedited if inspectors had access to an on-line database of 3D images. The images could then be used to authenticate and verify the integrity of cargo contents. This capabililty would provide more comprehensive data to ensure better accuracy with the release process.

Technical Need

Leverage technology to automate the inspection process.

Related Technology Areas

Internet application to support image submission

Image archive and catalogue capability

Internet application to support image access and 3D image presentation

Security infrastructure

Benefits

The release process could be expedited if images could be easily referenced to validate the authenticity of specific shipment items. Accuracy would be improved

Risks

Need to ensure image transmission and image repository will be secure in order to restrict access to potential trade secrets. Exchange of electronic images could introduce transmission delays since the file sizes of the associated images may be large. There could also be storage implications associated with maintaining a repository with numerous large image files.

Related Subcommittees

Priority: **Critical** ☐   **High** ☐   **Medium** ☐   **Low** ☐

Customs Use Only

        Approved ☐   Not Approved ☐   Further Evaluation Required ☐